

## CEREALS CROPS LAND USE PATTERN IN SATARA DISTRICT

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### INTRODUCTION

In this paper an attempt has been made to analyze the agricultural land use pattern in Satara District. This study is based on secondary data collected from secondary records. Agriculture production is influenced by physical, climatologically, socio-economic, technological and organization factors. An Endeavour is made here to study crop combination regions in Satara district For Year 2014-15. Satara District is a part of Maharashtra state. It Occupies an area equal to 10480 sq.km. And supports 30.04 lakh of population according to 2011 censuses. Administratively the district is divided in to eleven tehsils. Cropping pattern is closely linked with the stage of agricultural development and is considered as a measure of agricultural development of the area. In the present study an attempt has been made to identify the crop regions in the state to understand the existing cropping pattern. The important crops of food and non-food crops have been used for the analysis. Physiographic, temperature, rainfall, soil and drainage influence on agriculture land use pattern in this district. Such type of study represents real situation of cropping pattern in Satara District and helps to planners, agricultural scientists and research scholars.

### STUDY AREA

The Satara district is situated in western part in Maharashtra State and lies between 17 05' and 18 11' and east longitudes 73 33' and 74 54'. The total area of the district is 10480 sq. km. which is 3.40 percent of the Maharashtra state, among the 35 district of the state, Satara ranks 12 in terms of area and falls in parts of Survey of India degree sheet No.47-F, G, and K. The study region administratively consist 11 tahsils which is Phaltan, Man, Kathav, Koregaon, Satara, Karad, Patan, Jaoli, Mahableshwar, Wai and Khandala.

For administrative purpose the district is divided in to four sub-divisions Koregaon, Satara, Phaltan and Wai.

### OBJECTIVES

To know the cereals crops land use pattern in Satara district.

### DATA BASE AND METHODOLOGY

The present study is wholly based on secondary data. The data is mainly collected through District Census Handbook and related books. Collected data is finally tabulated and analyzed by using the Simple Percentage method. The results plotted in the Pie Diagram. The final conclusions and recommendations were given on the basis of results obtained.

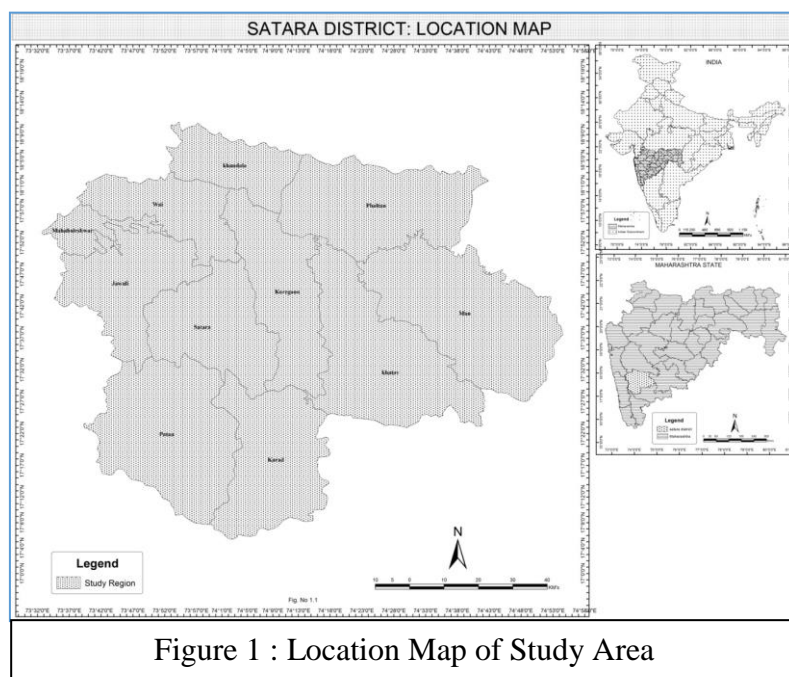


Figure 1 : Location Map of Study Area

**DATA REPRESENTATION AND TABULATION**

**1.1. Profile of Land Use in Satara district :-**

The total overview of the district Satara shows in the below mentioned table. In this table we include the Total geographical and its segregate in the various sectors.

Table 1: Profile of Land Use in Satara district (area in Hectare)

Sr. No.	Tehsil	Total Geographical area	Forested area	Area not available for agriculture	Falling Land	Area under crops
1	Mahabaleshwar	22190	13238	836	5854	6468
2	Wai	61909	12766	2976	11579	50112
3	Khandala	53608	6498	9384	19668	40903
4	Phaltan	119029	10892	16784	38363	64419
5	Man	150787	12954	25269	56110	55851
6	Khatav	136457	4121	11295	37952	83428
7	Koregaon	94840	10499	8764	12063	68817
8	Satara	87953	8500	13044	12659	92158
9	Jaoli	86895	19782	11392	13557	45355
10	Patan	140364	27720	15835	36470	92950
11	Karad	104211	10602	5969	20589	95278
	<b>Total</b>	<b>1058243</b>	<b>137572</b>	<b>121548</b>	<b>264864</b>	<b>695739</b>

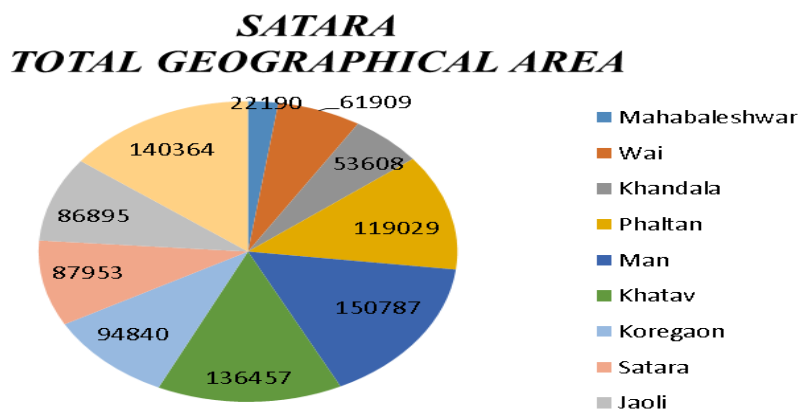


Figure 2 : Total Area of Satara District

The Man tehsil having more geographical area than the any other tehsils in Satara district. And the Mahabaleshwar is small tehsil in Satara district. But besides that Karad having the maximum area under crops (95278) because of the geographical features like soil, water, terrain, topography, temperature. And area under crops is minimum in Mahabaleshwar tehsil (6468)

**1.1.1. Profile of the Cereals crops:-**

Below mentioned table show the tehsil wise details of the cereals in the Satara District.

Table 2: Profile of the Cereals Crops

Sr. No.	Tehsil	Rice	Wheat	Jawar	Bajara	Maize
1	Mahabaleshwar	695	290	190	0	17
2	Wai	3736	2426	17089	1613	1013
3	Khandala	820	2148	12122	11499	650
4	Phaltan	9	4404	24793	8202	1387
5	Man	27	1893	13505	19211	229
6	Khatav	305	4315	17429	33700	238

7	Koregaon	308	2944	27464	5108	3078
8	Satara	6770	3819	32457	70	1631
9	Jaoli	8629	1978	15985	0	255
10	Patan	14823	5450	21963	6543	2150
11	Karad	9295	5637	17111	3957	2675
	<b>Total</b>	<b>45417</b>	<b>35304</b>	<b>200108</b>	<b>89903</b>	<b>13323</b>

Note- Source: Compiled by researche

### 1.1.2. Rice Crop

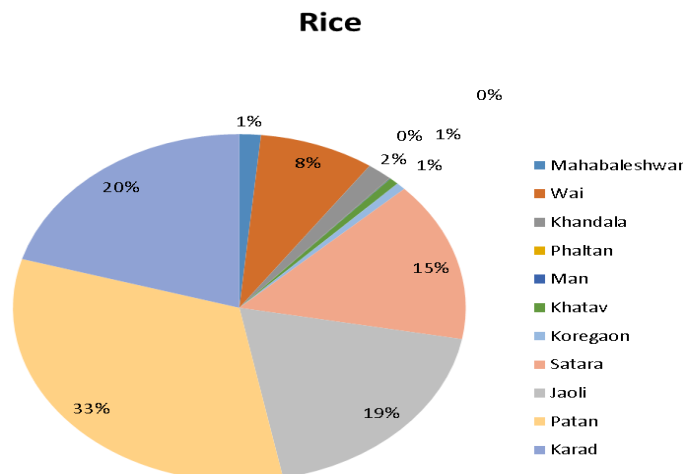


Figure 1: Total Area of Rice Crop in Satara District

Rice is one of the food as well as cash crops of the Indian subcontinent. The rice sharing the 11 percent cropped land of the Satara District. Out of the total rice crop area maximum area under Rice cultivation is in Patan tehsil which occupies the 33 percent and Phaltan occupies the lowest area of the cropping area of the rice of the district.

### 1.1.3. Wheat Crop:-

After the Rice Wheat is most important Food cum Cash Crops of the rural Indian continent. It occupies the 9 percent cropping area of the district. Out of the total Wheat crop area of the district Karad and Patan shared the more than 1/3 area of the district. The lowest area occupies by the Mahabaleshwar tehsil which is less than 1 percent of the wheat crop area.

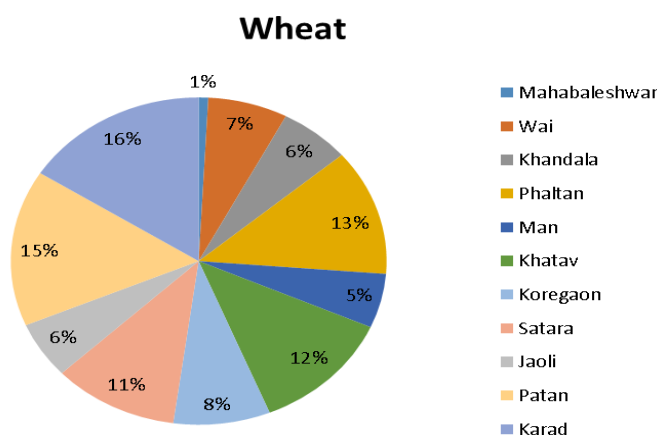


Figure 2: Total Area of Wheat crop in Satara District

### 1.1.4. Jawar Crop

Jawar is the Major crop of the Satara District and some extend to surrounding distracts. Out of the total cultivated land of the district it occupies the 1/2. In the tehsil level Phaltan Occupies the 1/3 of the total Jawar crop area of the district. Again Mahabaleshwar tehsil sharing the lowest area of the Wheat crop.

**1.1.5. Bajara Crop**

Out Of the total cultivable land 23 percent land captured by Bajara crops in the Satara District. As per rank Bajara crop breaks the second rank crop of the district in the cereals.

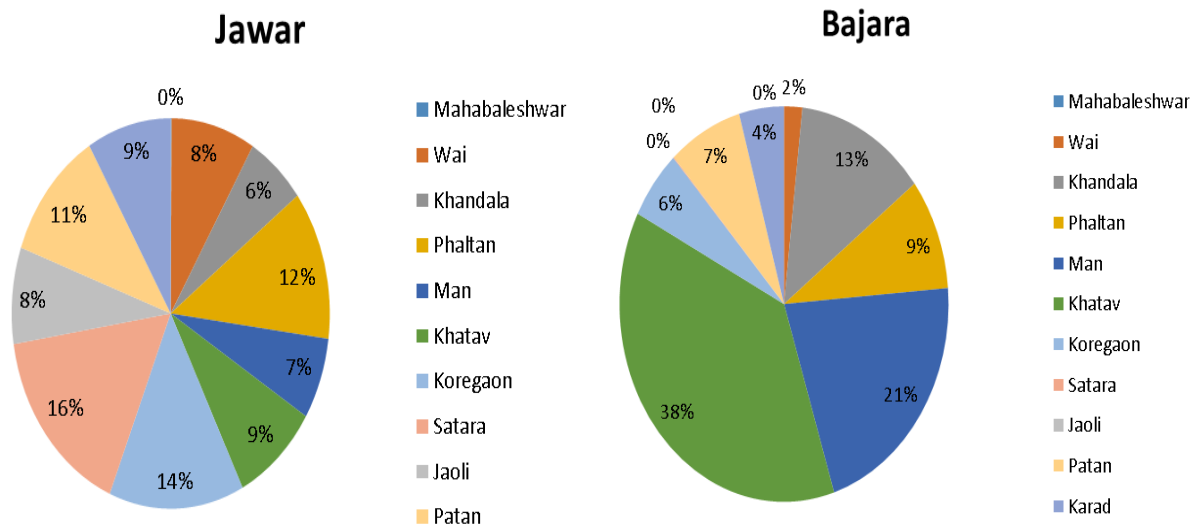


Figure 3: Total Area of Jawar crop in Satara District

Figure 4: Total Area of Bajara crop in Satara District

Out of the total Bajara crops cultivable land. More than 55 percent area of this crops shared by Khatav (37 %) and Man (21 %) and The Bajara production more than 30 % area captured by Khatav tehsils. Mahabaleshwar and Jaoli no One inch area under Bajara cultivation.

**1.1.6. Maize Crop**

As compare to others Maize largely produced for the purpose of animal fodder except Wai and Mahabaleshwar because there is a Tourist places and they produced it as Food. Out of the total cultivable land Maize occupies less than 4 percent area. Out of the total maize crops land Koregaon and Karad Sharing the more than 40 percent area of the districts Maize Crop at the same time Mahabaleshwar and Wai tahasil having less than 1 percent area.

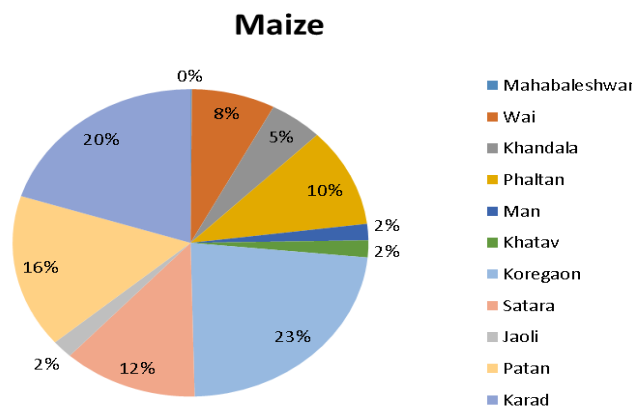


Figure 5: Total Area of Maize crop in Satara District

**CONCLUSION**

By evaluating the cropping pattern of Satara district the researcher concluded that the Jawar is first ranking cereals in terms of area under cultivation. Besides that Bajara, Rice, Wheat, Maze occupies second, third, fourth, fifth rank respectively. The geographical setting of the district is largely affects the cropping pattern of district.